



W.G. 1.

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7666 v



Studies of the blood for malarial

parasites apparently began April 1886

---

J.C.



10/12/86 63

Case XLVIII John King. W. 1. 6 25-

Spleen enlarged.

Blood

2 slides examined. negative

15th.

1st chair Ward 9. chills for 3 mos. Fever.  
continuous. Lungs pale & swollen. No cough  
exam negative

10/11/86

Case XL V. Oberlinck. W. 5.16.

adm. 21st. sept. 1st chill some time  
before. chill in adm. W. in R.P. the following  
day. one on 24th. T. normal on 28. 29. & 30 & 1st  
Then. daily. 7. no ch. T. on 5. 6. & 7. 103°. Sweat-  
Has been taking 2. 20gr L. d. white. 7. cont.

Crescents present. no others

10/9/86

Case XL VI John McDermogh. Oct-30. 1st day

1st chill. mild. was working in farmment,  
before that at Brighton Beach. Ch every day since

11th. Blood ~~little~~ many in. just before chill. all intra-  
cellular  
12 B. in ch. & in fever. very few. 2. on 13, 14 & 15. no chill  
10/12/86

Case ~~XX~~ VII F Talbot - Ward 7. M. on & off many  
-plan. Chills every now since Sep 12. T. the same  
normal. Slight f. & ch. for brief weeks.  
Blood contains crescent. only a few

10/1/86

Care. X<sup>2</sup> III

Stalled? W. in Jan

Jaune Douly W. 5. V. 2. Ch. Cart. road.

one on T. &amp; 7. 2 on Salem 2 on Sunday

one today at 2 am Blood in return T. 100.2

A few fresh ones. - one in the capsule.

15th

X L 1X John Bell. W. 7. B 14. Malaria 3 months  
chill every 3rd day. Last in the 12th.

crescents numerous. no others

15th

L Many deadlow. Chills for 3 weeks. Blood taken  
in chill. Intracellular forms. not very abundant  
one or two circular forms. Very few indeed.  
2 slides examined

16th. none seen..



From ribs

Mus Card 20/4/58

Small lymphoid corpuscles, abundant. periph  
Sarcular entire glass clear

2 Ordinary, coarse granular marrow cell

3 Nucleated marrow cells with  
clear colorless protoplasm

4 Nucleated red, <sup>(b/c)</sup> ~~these~~ in process  
of dissection (d) two with nuclei ruptured  
These nuclei are identical with the  
lymphoid bodies at 11/

5 Pale colored bodies, not the disintegration  
of erythrocytes

X L. 11. John Sulmon <sup>adu. 94.</sup> 10/9/86 61  
in ward 7. 15

1st attack two months ago. got better. now  
chills & fe. for 3 weeks at first every other day. now  
every day. chills yesterday. Is anemic still.  
Diet. of spleen. Edge bapable  
Exam. When T. normal.

Negative ..

10/11/86. chills yesterday abt 4. Bl spec in  
intercourse. . Negative again

10/12/86. T. normal. one or  
two crescents.

20/10/86. crescents in blood

always chills with  
intercourse of red cells

10/11/86

X L. 14. Chas Grant. W 7. 13 . chills 3. tertian

chills yesterday. 4. . 2 began today 5 4 and only

Negative

10/14/86. again negative. no chills.

10/20/86. chills again  
a few intracellular. chills today

10/28 . crescents... not many ..



304) many of these pale splenic nodules  
 plasmas but have no lymphoid cells, and  
 aspect which resembles small nodules

cells <sup>centre of</sup> from small nodules in spleen

10/9/01

Case XL1. Connors. Ward 7. 5.  
admitted from H. J. where had been picking  
cranberries. T. 101.6. looked like Typhoid. No  
chills. T. sank to normal remained so for days  
then rose.

Blood exam. with neg result before. Today.  
distinct crescents in slide. no splen.



Leaf 8.

"7/6/12"

showing in the middle  
the word "Blockley"

Case XL.

Arnold Leeman. Ward 5. 13

a Drilled 7th. Left 3 weeks. . . More recurrent  
type. T up each day. <sup>2nd</sup> 103 + 106. even. Gents 1-  
normal.

Stood ex in sweat. Intracellular forms.

UNIVERSITY  
MONTREAL





923

affinity

5

5

Blind in chill . chills for 7. days.  
very severe . . . . . T . . .



Case i

20/5/86

Case ii . Mores H. Lewis . at 5-2 . old sailor . Hampton  
 Home . Since 1868 has had chills & fever (?) . Has been  
 months without it but remarkable . Left <sup>the</sup> home 14th  
 April . Had chill Batten . Has had a dozen since . A shudder  
 eve. 19th . Chill yesterday . at 2 PM constant until 3.30 . Came  
 in at 5.30 . Sweated a little . Seems to have been a regular  
 attack . Spleen not enlarged . Man looks well .

Blood . entirely negative 3/4 of hour - absolutely  
 clear in the red corp . no . Pus

chill every day. . now just beginning a  
chill



7/6/50

Bloddy,

Care W. (a) Mrs - at 35. child for three weeks,  
tallow & anemic. spleen the felt below costal  
dgs. chill in 5th. blood taken today and  
low as before chill expect. sand also felt like  
me.

no special changes in real.

Case 15. (b) 2 slides prepared during chill  
in 5th. surrounded with oil & not forward  
(1/3 unstable). Exam 48 hours after. Red extremely  
distinct. well preserved.

Many of them in the slide with the thinnest layer of blood have assumed bizarre forms due probably to commencing crystallization of haemoglobin.

M. SV 7 for 6 years. Reg chills & fever.  
Resident of Hospital for 6 years  
1st chill. Sunday. 2nd. 2nd chill. yesterday 5th  
Blood in chill. Examined 2. P.M. 6th. None  
found

10/6/86  
XXXV" (cont) John Murphy. Still many  
in blood. Taken just before chill

10/7/87. T. Each day reaches 104 or 105.

Blood just before chill. Moderate number intra-  
cellular forms

Across the way in with. They become more distinct & again more  
diffuse

10/14/87. 2. since the. not many - indeed.  
none in the slide examined.

16.4 none in slide examined.



4/6/86

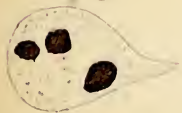
Mrs. Elletts M.D. at 36

Hæmaturia since March or Feb. No chill  
pretty persistent; not affected much in general  
health. On 31st a chill. - (ague) on Tuesday  
the urine very dark.

Bottles of urine of T. recd. Th & Friday  
brought for ex. all except Wed. of dark  
porter color & deposit a black brown sediment  
that previously still recd. (lysed)

Urine of Tuesday. Many blood casts, large &  
small. Some of which contain purple red  
spherical masses of hæmaturia & a few actual  
casts. Many of the cells contain the pigment  
and the bladder epithelium is deeply stained  
Eosinophiles have lost their coloring matter.  
Many cyprinoids. Very few micrococci

Fig 1



cell with 3 deep purple red balls  
of hæmaturia

Fig 2.

Cast with long extension like a rounded (cyprinoid) cast

Case XXXVII

1074/86

53

1.20

I am Murphy J. D. Munn / al 21

asine for six weeks. Del Co Wyoming Co.  
chills every day. Took 2. one day. Is anemia  
spleen far below costal border. Yesterday T 104  
Today 104. Blood in fever.

Very few forms only intracellular. no free in  
circulation. 4 seen after at least an hour  
search.

6.10

Pigmented body inside a sphere, like shell of  
red corpus. The edges of the body are wavy  
& the surface looks crinkled & folded. Rather  
mulberry shaped body as if a collection of 8 or  
ten small ones. Movement (?)

There have become much more distinct &  
the big has moved to edge, Can now count 8 or  
10 distinct greyish circular bodies

7.40

away until 7.40

The "shell" had burst and given out 10-12  
small round bodies each of which appeared to  
have a translucent or dark dot

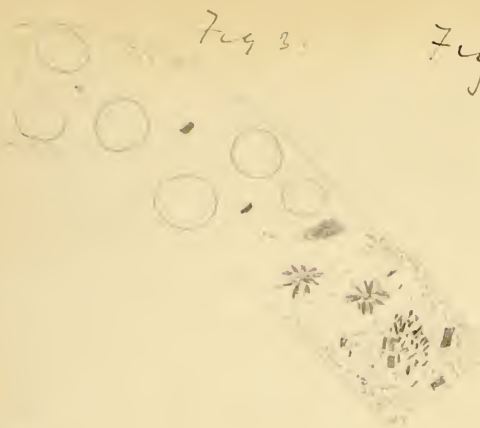


Fig 3.

Fig 3. bloodcast. with deep  
purple red granular  
+ crystalline haematoidin



Fig 4

. In this specimen were many  
others like these - very suggestive  
at front of larva - both of them suggestive  
"hematoidin" form but a careful study  
of them and others in the field was necessary of  
the cryptogamic nature.



Fig 5

ovum-like body - embedded in granular matter  
with the corpuscles.



Case XXXVI. Jones Boovs. Chill today  
at 10. B. taken at 10 when in chill. 3 weeks  
ago, it chill. one next day. Then took Med. Off  
a week then very other day until. Last Wed.  
morning day since. not had 2. today.

Moderate number of circular forms. no  
crescentic bodies

Case IV. 1b, 1. Starts during chill

.35



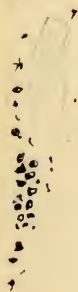
Case IV. (a) 2 hours after withdrawal.

Fragment of red capsule with filaments attached  
which have a vibratile motion

Small & medium sized marrow cells not pigmented  
larger ones contain pigment and these.

Liver

(a)



Pigment in two situations (a),  
along capillary walls & (b) in cells  
of trabeculae. Fig (a). In former situation  
not inside vessel and in the red cells  
but in the walls.

Brain

Pigment (a) in capillary walls. (b)  
in round cells - possibly neuroglia - (c)  
in corpuscles in capillaries very scanty.

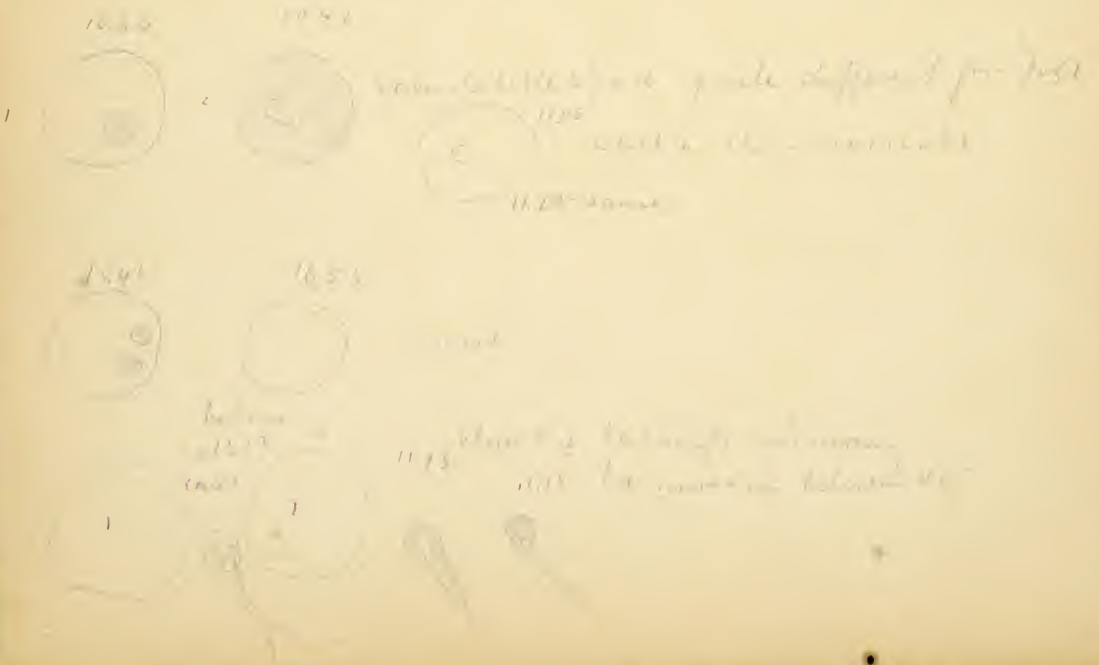


Case XXVII. H. H. during life  
 a few glass sections + 1000 found in blood  
 marrow. Got my draft from  
 10/1/86 53

Case V. 12/6/86. Mrs G. at 26. Dr. Ellis  
 Blood taken at 6 Pm on 11th - a chill 20" after  
 onset. Had had one 2 days before & had pur-  
 pose not been given genuine. Examination  
 in eve of 12th. Blood partially dry but in places  
 well preserved.



Corpuscle a little irregular; two distinct bodies  
 greyish looking, not vacuolar. Saw no change in  
 them and while arranging the drawing both.  
 for a moment or two & again looking they had  
 vanished absolutely.



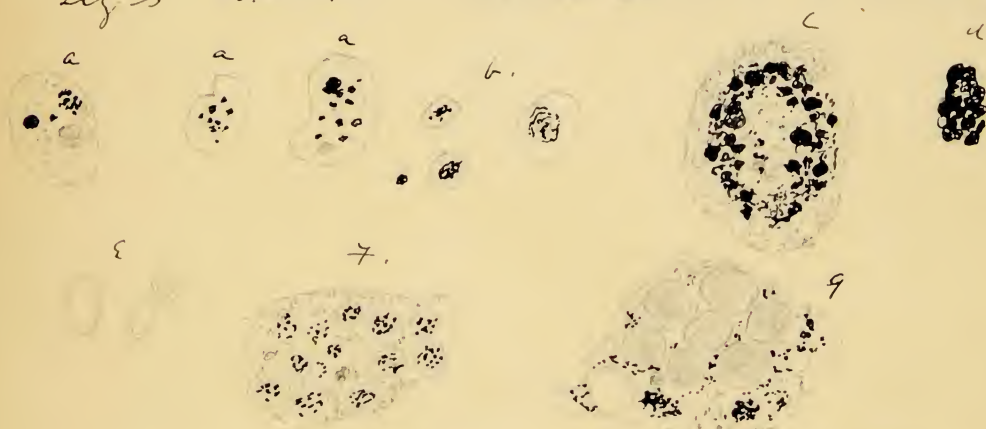
10/1/86 5-2

Case X XVII. Harry Hansen died we of 29th.

P.M. hrs after death.

Spleen. Spleen & slate grey. Pulp soft. In it

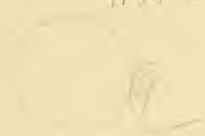
1. Colorless elements deeply pigmented, & of various sizes as at a, a, a. Smaller cells as at b. Some of which



look not unlike chloroformed red with the pigmented bodies. c large pigmented cells. (d) clumps of irregular pigment (e) curious translucent double contoured figures. not unlike myelin drops. (f)

Colorless mass with group of pigmented bodies above most of it. In pigment seems in small cells. G. Corpuscle ant. redos corpuscles none of which contain pig. bodies much pigment in the large corpuscle

is crossing up edge of 120 1 is indicated



has the same going along side of 120 and

highly refractive bodies in culture

Not many corporules affected. no pigment



10/1

Care  $\times \times \times \vee$ . Mammion 27 mother. of prec  
chills since Sunday week. no 2.

Taken in fever. chills not matted.

only a few. all intra-cellular.

Care  $\times \times \times$ . Mammion. see ante.

6.50

6.50

7.00

7.25



no movement of protoplasm. note with

Pigment distinctly reddish brown. and looks as if in little  
bars or bands

Re: many crescents and many of same structure. cc  
with central hy. inf round or oval

red corp. with the most brilliant red. dot of pigment appear-  
sured by a round

Some of these have a hard looking translucent outline  
Pigment changes in this one quite active

- 1 at. still in. all crescents -

Spleen enlarged. chill in 4th. distinct  
 since since. Lunge 5th 6th & 7th.

4.27

also backache

7.



4.28



also go out to work

4.29

also go out to work



also go out to work



also go out to work



also go out to work

Cure x x x iv.

Ward. 27

10/1/ 5-0

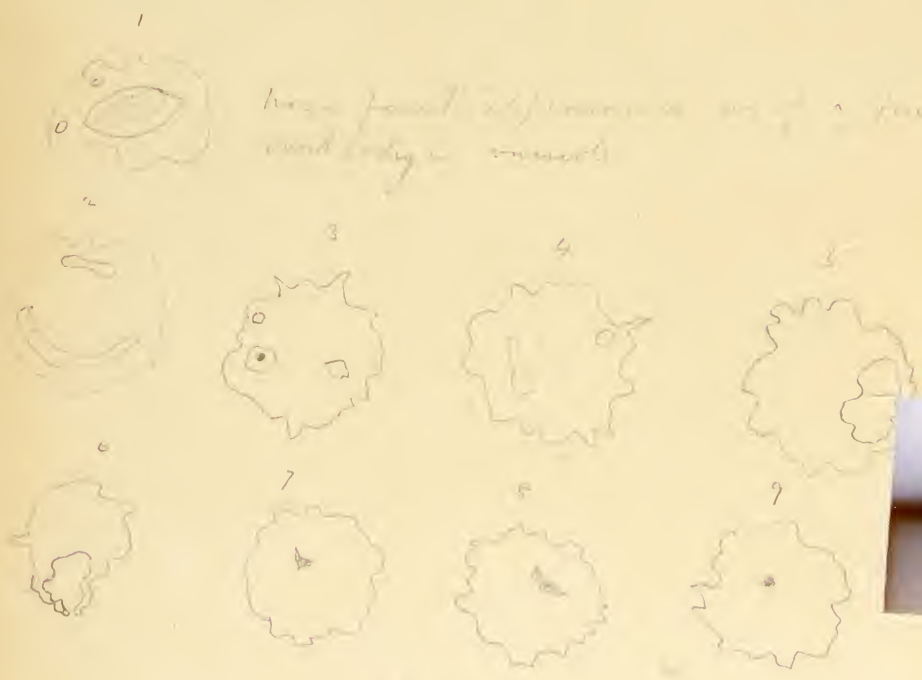
Manyon Child & <sup>64 1/2 South-</sup> Mother also affected B. in fever  
since Sunday. used every day.

One seen. . very destructive.



Case vi

Corpuscles in field of 12 in. with hyaline bodies in interior



large faint hyaline body in center of a fairly small corpuscle

solid bodies in corpuscles



8 hyaline bodies in center of corpuscle



Corpuscle - hyaline body in center



central solid body in corpuscle



solid hyaline body in center of a fairly small corpuscle

chills every day. Since 7 days ago - and . 10/11.

Blood taken for fever.

Spleen



Very many small, spherical, refractile cells  
seen in the blood on June 10th. 1888. (10/11)

Remained constantly present, but found to be  
smaller than the others - diameter of about 1/2 of the

most very abundant and still abundant, but rather less  
frequent all over the body.

very few white.

6/10/88

chill every day. Since. on oil Eucalyptus.

very abundant. mostly in the cells.

large prot(?) ones also seen

559



rather than in the blood - seen in  
spleen on June 10th. 1888.

559

559

the body. Seen on June 10th. 1888.  
When examined the blood was found to be

Some look very like splits in paper





Davis XXV. Malaria.

red capsule made on alive ameboid  
body



red capsule

The crescentic form still present-

30th

W. B. B. 3


Care XXXI. John Price at 36. adm. 27th  
child. that eve. one inside. Has had  
two in here. one in T. another on Wed.

2 slides examined. . one negative. one  
with <sup>crescentic</sup> Has. Run. 27th. 28. 29. 20 yrs and  
day. S p. b. ?

Case VII Michael. - Bloddy 22/6/52

chill daily since since 15-th. Blood was taken in same stage of paroxysm.

7.45 8.04 8.15 8.25



a distinct ring-like structure, with a small dark spot in the center, surrounded by a ring of dots. The ring is slightly irregular, and the dots are arranged in a somewhat circular pattern.

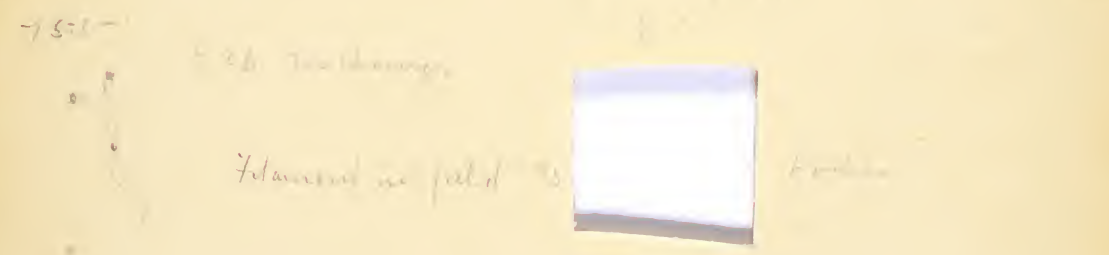
7.45 8.04 8.15 8.25

7.58 8.01 8.07 8.26 8.27



8.26 8.27

7.58 8.01 8.07 8.26 8.27



7.58 8.01 8.07 8.26 8.27

Care .

16 annularia . Dr. Curlier

Blood ex. in 28th ~~or 29th~~ negative

Care XX x 1 (Cul) chae. Blauus . 30th

very few. Dr. St. Dr. G. & Dr. O.

only one or two

Oct. 1st. Blood from child. <sup>104°</sup> Many bodies intra-cell  
very abundant



10/1/ -

These forms abundant





7.25

8.10

8.27 no special change

pigment granules more or less spherical  
space distinct. particularly above

8.37

- small body and about surrounded irregularly by
- bodies of the size of the nucleus, somewhat like carbon
- material the nucleus large. distinct very slight

8.10

8.27 no change

- small bodies branched out, supranuclear in nature
- larger than the nucleus



Stellar corpuscle, pigment granules



Large cell with cloudy cytoplasm  
in nucleus. A large body in center  
surrounding.

29th -

45

Case 2441 Chas. Blasius at 45

1st chill 8 days ago (23rd) shatter egg and  
 lay since. 2 P.M. Never M. before. Been down  
 in Jerry picking berries. No medicine.

Bladder chill 2<sup>30</sup> P.M. T. 104.2

Growth of muc. same as there noticed in  
 several cases. Two bits of pigment in  
 middle of growth

Small pig. body with an extremely thin  
 almost invisible run about it.

3.57

. . 3.58

4. D 2

Changing actively. not granular. gentle by shell  
 4:00 gone nothing but the shell remains



16



228<sup>th</sup>. Blood in. fever T. 105.2 Examined  
in 24<sup>th</sup>. 24<sup>th</sup> *Microspora*

not removed at all.  
several plas. one ciliated: 2 cilia  
not in water

many groups of large micrococci.

3 Blood in bottle. Some rather more in this slide  
nearly all free. in with very small ones.

10/7/86

Case xxix Mullen. had 11  
crescents free

Case VIII. Thomas Earley 38. Chills  
 full body of may. . on 2 off even end.  
 Admitted 21st. Chill before admission  
 at 9. Blood exam on 22nd.

Hyaline bodies found.

2nd Exam 23rd 4 PM. Had  
 severe chill (reverse) 6 am, shook  
 for 35". Still a little better since I  
 heavy.



Examination of blood  
 removed blood

Small amount of blood  
 for 10

XXVIII

W. S. Bell

284-

43

Case - Henry Alexander. 60. Worked in Maryland. Kent. Co. Went there 8 weeks ago. Had regular chills, tertian. Came to work 14th. Chills before came in at 5- or 6 a.m. Back. 208 mm 2 a day. No malar, of spleen. anemic examined. today. negative no

284-

Case XXIX Henry Mullen. Ward 8.

48

at on break from in Delmar. 1st chill 10 days ago. M. 5 or 6 hr. before 8 years ago. Since chill 10 days ago no further shalle until today. 1

negative none for. Was in fever after. Un-  
not taken. no malar.

29th Blood in chill. 11.30. no pygmated bodies

There malar.

T. 104 to 105° each day. 27th.

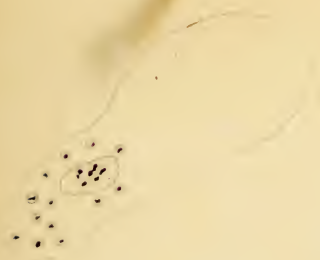
28 & 29th. M. T. 98 & 99

Oct 1. Blood for chill yesterday. had 108 mm 2  
in 10 doses. negative.

30th Examined again no bodies



Cause No.



Small Round Body



Small Round Body

When they are small the number of  
protoplasmic granules is small



Two small circular basals with pyramidal  
 domes - no stem

10.12

Two basals, about same size, seen on  
 ground and described as fragments. Both  
 like plate, no.

10.12

10, pale siliceous mud below it a series of  
 small circular white grey basals, similar to those in  
 p. - some derived from the  
 a small fragment like only

10.12

Group of 8 or 10 short petaloid, irregular  
 many rounded. They are more than represented for  
 They do not change in locality. Both groups with large  
 them - left at 10.30

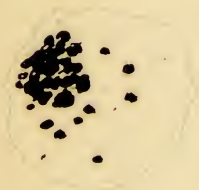
9.6.2 am.

Doubtful case. Boy. Dr 7  
chill last evening. hot stage. no  
feverish now.

Blood negative. Probably not. Malaria.

Case XXVII Cont.

28th. still in same condition. no paroxysms  
dull heavy sore of throat. Tongue pink & dry



very many large, deeply pigmented  
colorless forms. - pos. large.

29th. Examined blood 6 hours after death

no special increase in the forms. Colorless corpuscles  
still in movement



Case 111

24 hr-

23

Michael Doherty,

Chill began at 1.30 . . Blood taken during

chill. . 180. ~~mm~~. ~~temp~~

Bodies scanty -

Phil. 26th - 40  
XXVII · Harry Harris. Oct. 70 .. adm. 25th

in the 24th & in  
Has been Graying recent weeks & has had chills.

Spleen <sup>slightly</sup> enlarged. . . T. 25-101.3. . 97.5-98°. No.

Leucocyte <sup>in house</sup> ~~very~~ anemic. . : 3 days ago last chill.  
Has had it before came in. Urine has been blood red

round. pigmented bodies hyaline periphery  
pigmented masses. which. vary from time  
to time. . The translucent periphery is similar  
in appearance to the end of the curved form

slight changes in outline quite  
distinct.

creaked body. cilium single. has a length  
of corpuscle. movements very active.

Possibly 2. or 3. cilia as .

Cilium disappeared. in about 10 minutes  
after. Did not see it go. Corpuscle.

The lashing of the cilia does not cause movement

and creaked form cilium not in active motion

one crescentic form

Case 14. Maria Weston. Joseph - Had chills  
2 years ago. also one slight attack last summer.  
For the last 2 years has been

Slide taken 23rd

1. 23rd

the morning of the 23rd

25th 10.12 Patient seen in chills

Blood slide taken

of the 25th with a good deal of

26th



Very much improved with the 25th

26th

Phila Corp. Case of suspected periton.  
Malani.

Blood examined 13 hours after death

- 1 colorless corpuscles still in aneoboid state
- 2 no plasmodia. a few doubtful pigment spots in colorless corpuscles



In this case the careful examination of  
the blood during two paroxysms &  
in each of the stages may be stated the negative  
no pigmented bodies in the red, and the  
paler bodies not evident. The vacuolar  
spaces figured in preceding page probably  
not the same. In several slides there  
were rounded pigmented bodies like  
small leucocytes.

Phila. Herb. vol. 24th

XXVI. Henry McJannet 33-

For three weeks. First time of all. M. Lueddean  
at foot. Now Tertian. No spl. ent. Chills yesterday.  
Has taken med. inside. Coz with M. Lueddean.  
Is anemic looking

1st slide negative, perhaps even two little bits of  
pigment in wh. or corp.

None in 2nd slide

Had 20 sm of 2. 8. 9. 10 x 11  
25th. Blood just before a chill <sup>Negative</sup> <sub>has cure in</sub>

24. This man had two blisters in hand. after  
careful rubbing with. cor. sub. a drop lather.  
Many leucocytes in serum. none pigmented. a  
few red corp. innumerable mucus with  
capsule

28. . negative. Has had a little fever  
2. slides

26/10/86

Case x child at 5. . . went to Maryland  
last Sept returned in Oct. had chills  
& fever severe. They persisted at times thro  
the winter. &

weeks ago a  
well nourished  
on account of  
and the . S

Edge the felt at margin spots. - a little bilious  
Blood - good color

No bodies in corporules

Small  
a few granular pale bodies in field with  
a pigment spot. Doubtful if true pigmented  
protoplasmic bodies

XXV \* Davis 44 1st attack 20 yrs  
ago, now for 6 weeks, not a week without.  
Tertian has been taking 2 but not in granular  
in still febrile stage

movement, concentric  
4 a diffused  
gills distinct

Many of these form, one third longer than diameter  
uniform field. Pig. - ~~more~~ than in round form

Very compact, dense mass of pigment in centre as a rule  
in a few more scattered. In many there is for an hour side  
a thin membrane joining the ends, very delicate, not seen in  
any other situation. No movement. number. They attach themselves to  
nd to ends generally clear, a few granular, on which translucent particles  
bit of

colorless corp with deep black pigment  
several while fragmented

Here seems to be an entire absence of all other forms

Some much narrower than others & less curved

micrococci like body in if very  
many of these

colorless corp with fine granular & undistinct  
outline of a plasmodium

or numerous, but of same character.  
perianth



27/6/86

25

Case 21. abio. Perm. Hosp. Skulls  
 6.20 86 Never before. 4. par. 6.21, 2 and 6.23 3 is  
 6.25, 6.27. Skull in

Two slides. 1 in skull <sup>7.10</sup> other in fever 1.33,  
 skull slight.

Negative so far as red corpuscles, connect.  
 one or two small segmented colourless leucocytes.

In one slide which was very much flattened  
 there were many corpuscles with clear spaces but  
 these I am inclined to think are artefacts as they  
 occur most frequently under this condition.



Many red corpuscles as at 1, 2 & 3. The (4) is  
 a peculiar shape, no doubt a transformed  
~~leucocyte~~ <sup>leucocyte</sup> ~~stroma~~ <sup>stroma</sup> it is identical in appearance  
 with the elongated projections of 2 & 3. Such  
<sup>2 or 3</sup> ~~few~~ examples were seen

28/6/86 Exam. slides again with great care. Neg.  
 as far as red corpuscles

P D 61

Agar count all 0's.

Prothion for 4 days until 19th when last one  
has left. <sup>no spleen</sup> <sup>no spl. enlargement</sup>  
since 8th 12d

one pigmented with 100 - cells.

no pigmented red

one small anastomosing pigmented body

24th

Exam 3 hrs after with

XXIV W J. Williams 38. 1st attested

Begins 12th Chill every other day.

Last chill on -

Came in on 20th. has had 30 grams of

I. since. 200 Ancon. No spleen enlargement

1st slide. 1/2 hour only one

large red corpuscle with plasmodium. margin  
7th. very distinct. shape of corp still preserved  
no brownish mot of bacteria.

all the granules do not appear to be pigmented.

no streaming movement of granules. great clear changes in at-  
line

not more than half a dozen in the field

Case XII. Wm. Evans at 47. <sup>26</sup>

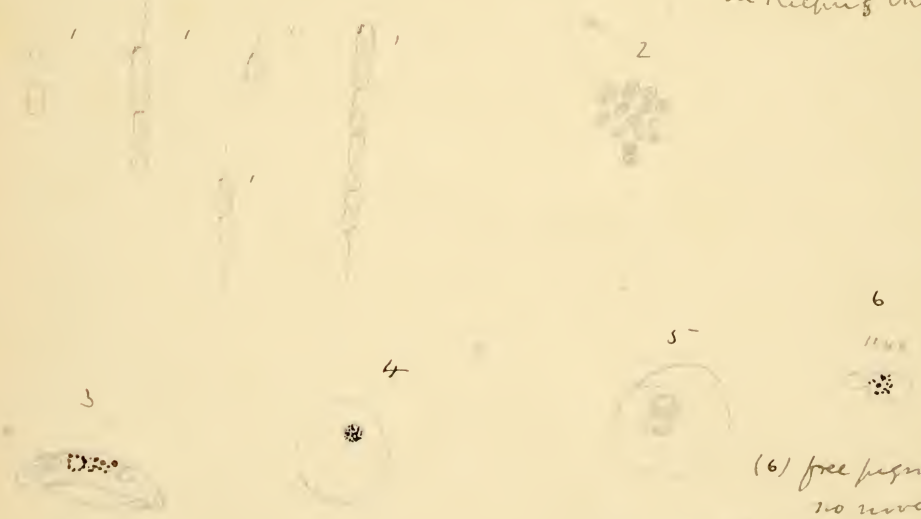
Perm. Hnpt. 6.26.86.

Parox. evy day.

Specimen Taken 11.45 P.m. of 27th. Temp.

105° Neg. at 11. am. 28th.

Exam. at 8 P.m. Mostly curious ~~specimens~~ <sup>forms</sup>  
in field. ~~in~~ Stout bacilli with. Chn at ends. very distinct  
d. chn. Groups of clear granules. uniform bodies. like large  
micrococci. not abundant. They move with a jerky irregular motion  
like murens. In use, the other malaria slides have much more developed  
in keeping the slide



(6) free pigmented body  
no movement.

(5) capsule with non-pig. body

after extraction reach this body with pigment in  
interior. Presently 3 clear spaces. 2 pigmented regions.  
In concave surface a line joins the ends of curve. No movement  
Perhaps only curved a depressed red with a pigmented  
body in interior. 4 a second capsule. with pigmented body

Xx 11. Carroll .ch. 34. Had on 72 - 76  
on 20th Aug. In House 10 days. Chills 3 in House. Came  
in on 20th Had chills that day none in. Splice bay.

2

10/6/10

6:57

9:11



Had with  
change of blood

23rd 1st



Very little bit of pigment & inside of red blood  
corpuscles. Scarcely visible to the microscope. When 20  
to 30 per cent. of the blood is in circulation in the body.

(a) Overabundant only with fog.

25th. T. yesterday 101. Not a chill

3

These numbers

.chill 29th. v 28. x 82 7 2 v 2

30th - Crescentic form distinct & abundant

odd. Blood. Crescentic form. 10/6/ crescents numerous



7/2/20 29

Case XIII. Perm. Hnp.

chill. 102 4/5 - 7 eve 105 4/5



very distinct. pigment and body in a pale red



large. very pale. Body in a pale red  
Pigment in a pale red

17/9/86<sup>34</sup>

Case XX Hunt. Grogan 48. 1st attack  
march. began. B & O. R. at Derby. C. was  
dy & then very other. Last. month not at all.  
Last long chill Saturday. Do not think he  
took quinine. In morn. 13. On. In morn. no  
chill but very. Afternoon sweating.  
None found.

17/9/86

Case XXI Tevers 28. 1st chill 6th.  
4 since then. Took. med. - very little.  
In on 14th. Gm XXX in 3 dres. Gm +. Lid.  
Food at 4.30. none found.

Habitat.

Many & large.



Large



very large

All the affected corporules both large. are pale

not crenated

5 PM . No 2.

Bodies tolerably numerous. none ad. one or  
two small for use

15th Sept

Case XIX 7 Lays (f) 29. 1st chill Sept  
2 chills very day since. Not ana. Never  
M. before. Has had gross of since. Last at 8.30 PM.  
1+. Blood shows only one or two bodies very  
scanty.



15/7/81 29

Case XV

2. PM

Robt. - at 40 adm. Philadelphia 14th  
never mat. before. First child Monday 5th.  
every day since. This am began at  
7. Laid several hours. Is now in hot stage  
2 slides of blood. T. 104.  
very scanty. Exam. 6 hrs after withdrawal



Several bodies like this. pigment in central  
part clear protoplasm outside. no haemoglobin  
Possibly they are r. c. which have lost their  
A & have the plas. mat. in

Several well marked ones in pale corpuscles  
but on the whole very scanty. A few in  
which the hy. granules seemed irregularly  
distributed - not in a deep body

16/7/84

3 slides in interval. Is feeling better. T. normal.  
Bodies much more abundant.  
several. free in field.



small unpigmented one

Care x v.

17/12/86 Care x v. Chill at 7. am. Blood  
examined at 3.30. while in sweat. T. read  
105°. T. at ex 101.

Plas. scanty. most so only 2 or 3 in  
3 slides.

18th. Slide at 14. In p.m. day. Pigmented  
bodies scanty.



Pale capsule with four bodies in centre  
greyish (faint) tint, not vacuoles. apparently.  
In these round bodies of deep. red tint in certain form are they m.c?  
or are they pigment? They res. form as seen in stained  
preparations. The bodies in which they are alter their  
position in the capsule. but do not show amoeboid  
movement. no brownian motion of granules.

at 10.50 p.m. There were many groups of large m.  
such as seen in one or two slides before.

Pale corp. with 4 or 5 small bodies in interior, as if broken up. Brownian motion.

Free no slow anaeobed change.

(all to corp)  
Pale sphere with 14 or 15 dancing pigment bodies.

none of the paper bodies.

a body in interior of colorless corp. evidently not a del. red as the protopl. is distinctly grey & finely granular. Slight anaeobed change.

col. corp with 2 bodies in inter. they do not appear to be vacuoles.

a colorless corp with scattered pigment granules.

Case XVI.

6/9/86

31

man in chill never Hospital

agone attacks on and off since April.

Malarial bodies <sup>very</sup> abundant. none cleared.

11th. Patient had 20 gr qu. in the eve + 20 this am. had  
no chill but revealed a good deal. Blood shows pigment  
bodies but not in such numbers.

10th. no more qu. Still a few bodies

Case XVII (July) 14th - (1886)  
John Brown at 21. Chills three  
weeks

Blood during chill T. 105°. 3 slides. not numerous  
a few cleared body. pigmented. only a single  
album visible but it was inclosed by many  
red cells.

15th. no chill. P. has had qu. 80 x v. Bodies  
totally numerous





Richard Bowen left

in June 18

no record







